

Nur für Forschungszwecke

MCM7 Monoklonaler Antikörper

Katalog-Nr.: 67446-1-Ig



Allgemeine Informationen

Katalog-Nr.:
67446-1-Ig

Größe:
150ul, Konzentration: 1100 µg/ml von 4176
Nanodrop und 500 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Maus

Isotyp:
IgG1

Immunogen Katalognummer:
AG28558

GenBank-Zugangsnummer:
BC013375

GeneID (NCBI):

Vollständiger Name:
minichromosome maintenance
complex component 7

Berechnete Masse:
81 kDa

Beobachtete Masse:
85 kDa

Reinigungsmethode:
Protein-G-Reinigung

CloneNo.:
1G1F6

Empfohlene Verdünnungen:
WB 1:5000-1:50000
IP 0.5-4.0 µg für IP und 1:1000-1:4000
für WB
IHC 1:1000-1:4000

Anwendungen

Geprüfte Anwendungen:

IHC, IP, WB, ELISA

Getestete Reaktivität:

Human, Maus, Ratte

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: A431-Zellen, 4T1-Zellen, HeLa-Zellen, Jurkat-Zellen, K-562-Zellen, NIH/3T3-Zellen

IP: HeLa-Zellen,

IHC: humanes Mammakarzinomgewebe, humanes Lungenkarzinomgewebe

Hintergrundinformationen

MCM7, also named as CDC47 homolog or P1.1-MCM3, is a 719 amino acid protein, which belongs to the MCM family. MCM7 acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The MCM2-7 complex participates in the pre-replication complex formation and exhibits helicase activity which makes DNA unwind, and resulting in recruitment of DNA polymerases and initiation of DNA replication and elongation [PMID: 29463213]. An immunohistochemical study has shown that MCM7 is increased in HCC. Silencing of MCM7 with shRNA inhibits the malignant behavior of HCC cells via cell cycle arrest and apoptosis [[PMID: 29463213].

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

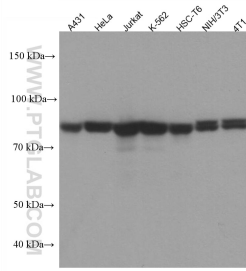
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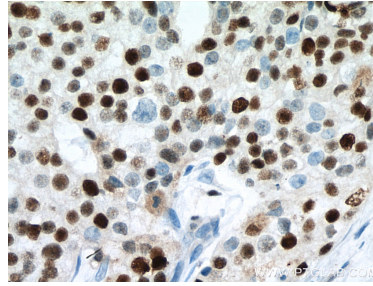
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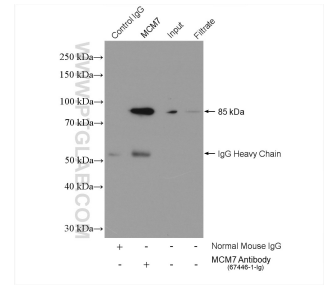
Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 67446-1-Ig (MCM7 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67446-1-Ig (MCM7 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-MCM7(IP:67446-1-Ig, 4ug; Detection:67446-1-Ig 1:2000) with HeLa cells lysate 1040 ug.